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## CELLULAR SYSTEM WITH CYBERCELLS

### ABSTRACT OF THE DISCLOSURE

5 A local site communication system, including a broadband connection between the local site and an internet, a wireless local site network in the local site and communicating data between the broadband connection and the mobile terminal when the mobile terminal is located at the local site, and a cyber base station connected to the internet and communicating data between the broadband connection and a mobile switching center whereby the mobile terminal when located at the local site connects to a mobile switching center via the wireless local site network, the broadband connection, the internet and the cyber base station. A voice client converts data between wireless signals on the wireless local site network and internet protocol signals on the broadband connection, and the cyber base station mimics a radio base station to the mobile switching center. The communication system is included in a cellular system including a plurality of low power wireless local site networks located in cells and served by the cyber base station. The wireless local site networks include a low power transceiver for communicating with mobile terminals. Methods of handing off a mobile terminal between cells and cybercells, and of placing and receiving calls in cybercells are also described.